

# National Workshop on Computation for Biomedicine and Healthcare

## Day 1 (10th Dec) Structural and System Biology

08.30	Registration
<b>09.45</b>	<b>Inauguration of workshop</b> Introduction to Institute, Prof Ranjan Bose, Director, IIIT-Delhi Importance of Open Source, Prof S. K. Brahmachari, Former DG, CSIR Introduction to Workshop, Prof G. P. S. Raghava, IIIT Delhi
10.05	Inaugural Talk, Dr. Anurag Agarwal, Director IGIB
10.45	Tea Time
<b>11.00</b>	<b>Session 1: Structural Biology for Drug Discovery</b>
11.00	Prof. Seyed E. Hasnain, VC, Jamia Hamdard
11.40	Dr. Dinkar Salunke, Director, ICGEB Delhi
12.20	Prof. T. P. Singh, AIIMS
13.00	Lunch time
<b>14.00</b>	<b>Session 2: Structural Biology for Drug Discovery (Cont.)</b>
14.00	Dr Shekhar C. Mande, DG, CSIR
<b>14.40</b>	<b>Demo or Hands-On Practices</b>
<b>16.00</b>	<b>Tea time</b>
<b>16.20</b>	<b>Session 3: Systems and Network Biology</b>
16.20	Dr. K. Sriram, IIIT-Delhi
17.00	Dr Ganesh Bagler, IIIT Delhi

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## Day 2 (11th Dec) Web based Services

<b>09.30</b>	<b>Session 1: Contribution of India</b>
09.30	Dr. Madan Mohan, DBT
10.10	Dr. Debasisa Mohanty, NII, Delhi
10.50	Tea Time
<b>11.10</b>	<b>Session 2: Databases and Prediction methods</b>
11.10	Dr S. Ramachandran, IGIB Delhi
11.50	Prof Shandar Ahmad, JNU
12.20	Dr. Manoj Kumar, IMTECH, Chandigarh
13.00	Lunch time
<b>14.00</b>	<b>Demo or Hands-On Practices</b>
16.00	Tea Time
<b>16.20</b>	<b>Session 3: Application of Bioinformatics</b>
16.20	Dr. Manish Kumar, DU (South Campus, Delhi)
17.00	Dr Ankur Gautam, IMTECH, Chandigarh

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## Day 3 (12th Dec) Genomics for Healthcare

09.30	<b>Session 1: Application of Genomics</b>
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10.10	Dr. Dinesh Gupta, ICGEB, Delhi
10.50	Tea Time
<b>11.10</b>	<b>Session 2: Single Cell and plant genomics</b>
11.10	Dr. Vibhor Kumar, IIIT, Delhi
11.50	Dr. A. R. Rao, ICAR Delhi
12.20	Dr. Debarka Sengupta, IIIT, Delhi
13.00	Lunch time
<b>14.00</b>	<b>Demo or Hands-On Practices</b>

16.00 Tea Time  
**16.20 Session 3: Grant Opportunities**  
16.20 Dr. Inderpal Singh, CSIR-HRDG  
17.00 Harpreet Singh, ICMR

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**Day 4 (13th Dec) Techniques for Big Data Mining**  
**09.30 Session 1: Mining and Managing Genomic Data**  
09.30 Prof G. P. S. Raghava, IIIT Delhi  
10.10 Dr. Vinod Scaria, IGIB Delhi  
10.50 Tea Time  
**11.10 Session 2: Advances in data mining**  
11.10 Dr. Mudit Kapoor, ISI Delhi  
11.50 Dr Shailesh Kumar, NIPGR  
12.30 Prof Andrew Lynn, JNU  
13.10 Lunch time  
**14.10 Demo or Hands-On Practices**  
16.00 Tea Time  
**16.20 Session 3: Challenges and Opportunities**  
16.20 Dr. Angshul Majumdar, IIIT Delhi  
17.00 Dr Prashanth Suravajhala, BISR, Jaipur

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**Day 5 (14th Dec) Future Prospects for Digital Health**  
**09.30 Session 1: Advances in digital health**  
09.30 Dr B. Jayaram, IIT Delhi  
10.10 Dr Sharmila Mande, TCS  
10.50 Tea Time  
**11.10 Session 2: Academia-industry Interaction**  
11.10 Prof. S. K. Brahmachari, Former DG, CSIR  
11.50 Prof Ramesh Hariharan, CEO, Strand Life Sciences  
12.30 Prof Ranjan Bose, Director, IIIT Delhi  
13.10 Lunch time  
**14.10 Session 3: Academia-industry Interaction (Cont.)**  
14.10 Dr Praveen Gupta, Premas Biotech  
14.40 Dr Atul Thatai, Dr Lal PathLabs  
15.10 Dr Manu Kohli  
15.40 Girinath G. Pillai, Director Zastrav pvt. ltd., Bangaluru  
16.10 Tea Time  
**16.30 Concluding Session**